ANNEXURES.

REVIEW ON THE CATTLE MORTALITY IN THE STATE FOR THE YEAR ENDING 30TH JUNE 1932.

The total mortality in the State during the year, from all causes, contagious and non-contagious, shows a small decrease of less than one per cent on that of the previous year.

The mortality due to contagious diseases alone shows a decrease of 6,922 or 30 per cent on that of the previous year.

Mortality under Rinderpest the most serious scourge of cattle in the State is the very lowest observed during the past decade, and is only 1,201 or 7·6 per cent of the total mortality under contagious diseases during the year. Compared with the mortality experienced in previous years it is only 29 per cent of that of the previous year and is only 4 per cent of the highest mortality recorded under Rinderpest during 1928-29.

This may partly be due to the periodic decrease in the incidence of the disease, but certainly to a greater extent to the large scale campaign of S. S. inoculation so vigorously carried out since 1925, creating immune belts to effectively prevent rapid spread of the disease—nearly 7,03,068 cattle having been protected, *i.e.*, 14 per cent of the total census of the State.

It is satisfactory to note that all the Deputy Commissioners and Revenue Officers have heartily co-operated with the department in enforcing Veterinary Police measures in all places where Rinderpest was prevailing and where there was danger of the disease spreading to the neighbouring villages, by prohibiting the movement of cattle from infected areas. Special mention should be made of the Deputy Commissioners of Shimoga and Chitaldrug Districts where the disease was rather severe. It is also gratifying to note that many of the non-officials have co-operated with the department in prompt action being taken to prevent spread of the disease.

Although the benefits of protective inoculation are widely known, there are still a small percentage of people who by their stubbornness or ignorant superstition, refuse to get their cattle protected. During the year under review the rules under Regulation VI of 1899 and II of 1927 had to be enforced and 96 persons had to be prosecuted for breach of these rules. Sixty-eight of these were convicted, 23 were acquitted and proceedings against five were still pending disposal before Magistrates. This had a beneficial effect in the neighbourhood and made it possible for the department to protect all cattle of the villages against the disease.

Forty-nine thousand one hundred and sixty-seven S. S. inoculations were performed during the year under review.

Although there has been a marked decrease in the mortality of 15 per cent as compared with that of the previous year, the total mortality during the year under H. S. Black-quarter and Anthrax form 58·7 per cent of the total mortality under contagious diseases. During the year serum, vaccine and filtrate manufactured by the Mysore Serum Institute were exclusively used in the protection of cattle against these diseases. Sixty-eight thousand one hundred and ninety-six inoculations were performed during the year.

The mortality under foot and mouth is the lowest observed for some years being only 515 against 1,311 of the previous year.

The mortality under non-contagious diseases shows during the year under review an increase of 6,239 or 11 per cent over that of the previous year, the increase under natural causes and other causes being specially noticeable.

During the year under review there was a noticeable slackness on the part of village officers in reporting outbreaks of contagious diseases directly to the Veterinary Inspectors, and the cause of the large mortality observed under natural causes and other causes, lends support to the presumption that in the absence of timely action, mortality from all other causes, contagious and non-contagious, had been grouped under these heads by village officers. This calls for more careful scrutiny on the part of the Revenue authorities.

Although the receipt of C. M. returns from Patels into Taluk offices has to a certain extent improved in more than 40 per cent of the Taluks, it is still unsatisfactory. In spite of Government Orders, Revenue Commissioner's circulars, and periodical visits of Veterinary Inspectors to Taluk offices, sufficient endeavour does not seem to have been made to improve the collection of this important return.

During the year under review the percentage of returns received from the Patels of Bangalore, Devanhalli, Seringapatam, Nanjangud, Periyapatna, Hassan, Saklespur, Belur, Arkalgud, Hole-Narsipur, Chitaldrug, Hosdurga, Challakere and Kadur remains unsatisfactory.

In Bangalore, Belur and Arkalgud, no endeavour seems to have been made to collect even 50 per cent of the returns.

The following table shows that there has been practically no improvement in the collection of Cattle Mortality returns for the past five years in a very large number of Taluks :—

—	1927-28	1928-29	1929-30	1930-31	1931-32
	Per cent	Per cent	Per cent	Per cent	Per cent
Bangalore	50	41	40·5	48	47·5
Hoskote	49	65	60·5	56·5	63
Nelamangala	72·5	78	71·5	58	58·5
Devanhalli	52	58	56	55·5	60
Magadi	52	63	55·5	62·5	60
Kolar	73	69	66	65·5	60
Malur	68·5	75	72·5	71	67·5
Mulbagal	72	76	80	80	69
Bowringpet	60	56	64	63	59·5
Sidlagatta	80	63	52·5	62	61
Heggaddevankote	65	66	66·5	66	60
Seringapatam	61	61	62	61	55·5
Mandya	61	61	63·5	62·5	65
Nanjangud	46	52	56	49·5	55·5
Yedatore	56	69	67	65·5	65·5
Periyapatna	...	...	...	55	54
Hassan	59	64	58·5	54	52
Saklespur	70	62	59·5	53	52·5
Belur	55	45	48·5	46·5	45·5
Arkalgud	46	42	51	51	46·5
Channarayapatna	66	69	62	58·5	66
Hole-Narsipur	67	70	70	60	51
Tumkur	68	60	52	57·5	63
Sira	67	68	67	64	64
Koratagere	79	81	74	66	61
Chitaldrug	60	62	64	64·5	51·5
Davangere	86·5	77	73	68	63
Hosdurga	37	48	66	62·5	61
Challakere	70	75	71	64·5	63
Shimoga	50	49	63	64	61
Sagar	60	52	63	64	68
Kadur	72	71	53·5	55	61·5

The average for the year was 71 per cent from the whole State.

In some districts a very noticeable slackness has of late crept in. The following are the percentages for the different districts.

	Per cent.		Per cent
Bangalore	.. 71	Tumkur	.. 73
Kolar	.. 75	Chitaldrug	.. 69
Mysore	.. 69	Shimoga	.. 77
Hassan	.. 57	Kadur	.. 81

From the average based on this year's percentage of receipts, it is observed that Hassan which has been collecting more than 80 per cent of the returns during the previous years, shows a fall of more than 23 per cent during the year, so also Chitaldrug and Mysore which show a fall of 11 per cent.

Return of Cattle Mortality in the Mysore State for the year 1931-32.

District	Description of animal	Contagious diseases										Non-contagious causes						Total				
		Rinderpest	Hæmorrhagic Septicæmia	Anthrax	Black-quarter	Foot and mouth	Surra	Red water	Parasitic diarrhœa	Other contagious diseases	Total	Snake-bite	Wild animals	Criminal poisoning	Natural decay and accidents	Other causes	Total	Cattle	Buffaloes	Ponies	Sheep and goats	Asses
BANGALORE ... For the year 1930-31.	Cattle ...	35	66	589	860	67	...	6	315	275	2,213	61	355	1	4,763	1,474	6,644	8,857 *6,897*	...	...	...	...
	Buffaloes ...	1	4	30	23	15	...	...	52	28	153	3	13	1	355	185	557	...	710 *571*	...	...	...
	Ponies ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2	...	...	2 *11*	...	...
	Sheep and goats ...	2	3	65	15	27	...	...	6	166	304	2	147	...	163	121	433	...	...	...	737 *1,036*	...
	Asses ...	...	...	...	...	...	...	...	...	1	1	...	...	1	8	5	14	...	...	...	...	15 *11*
MYSORE ... For the year 1930-31.	Cattle ...	78	103	539	1,099	82	...	2	255	202	2,365	19	813	3	5,927	958	7,720	10,075 *8,788*	...	...	...	...
	Buffaloes ...	40	27	118	73	17	...	1	120	33	429	1	53	4	760	257	1,075	...	1,504 *1,450*	...	...	...
	Ponies ...	...	...	1	...	...	...	...	...	5	6	...	2	...	7	6	15	...	...	21 *10*	...	...
	Sheep and goats ...	1	...	22	...	8	...	...	3	260	294	1	115	...	100	199	415	...	...	...	649 *876*	...
	Asses ...	...	...	...	...	...	...	...	...	...	...	...	3	...	1	1	5	...	...	...	...	5 *21*
TUMKUR ... For the year 1930-31.	Cattle ...	23	25	347	887	50	...	2	132	116	1,582	21	284	3	4,567	1,669	6,544	8,126 *6,803*	...	...	...	...
	Buffaloes ...	16	4	19	78	12	...	...	33	33	240	4	37	...	714	320	1,075	...	1,315 *865*	...	...	...
	Ponies ...	...	...	...	...	...	...	...	...	...	...	...	3	...	5	9	17	...	...	17 *15*	...	...
	Sheep and goats ...	...	...	17	6	8	...	...	40	278	349	1	254	...	470	358	1,083	...	...	...	1,432 *1,994*	...
	Asses ...	...	...	2	...	...	...	...	...	2	4	...	2	...	24	18	39	...	...	...	...	48 *6*
KOLAR ... For the year 1930-31.	Cattle ...	8	127	315	754	36	...	...	41	141	1,419	7	74	...	1,068	549	1,698	5,117 *2,902*	...	...	...	...
	Buffaloes ...	14	21	70	76	12	...	...	18	39	249	7	19	1	449	187	663	...	912 *862*	...	...	...
	Ponies ...	...	...	...	...	...	...	...	...	1	1	...	...	...	1	...	1	...	...	2 *11*	...	...
	Sheep and goats ...	2	52	218	27	12	...	...	37	103	446	5	72	...	391	269	737	...	...	...	1,188 *4,428*	...
	Asses ...	...	...	...	...	...	...	...	...	1	1	...	2	...	1	...	3	...	...	...	...	4 *91*
SHIMOGA ... For the year 1930-31.	Cattle ...	383	54	238	28	52	...	...	42	166	963	101	3,176	6	3,301	926	7,510	8,455 *9,485*	...	...	...	...
	Buffaloes ...	181	31	84	8	24	...	1	36	76	443	92	876	...	1,191	488	2,642	...	3,085 *4,631*	...	...	...
	Ponies ...	...	...	1	...	...	...	...	...	...	1	2	9	...	3	3	17	...	...	18 *31*	...	...
	Sheep and goats ...	...	...	...	1	1	...	...	5	5	12	2	25	...	37	3	33	...	...	...	45 *58*	...
	Asses ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4

Return of Cattle Mortality in the Mysore State for the year 1931-32—*concld.*

District	Description of animal	Contagious diseases										Non-contagious causes						Total				
		Rinderpest	Hæmorrhagic Septicæmia	Anthrax	Blackquarter	Foot and mouth	Surra	Red water	Parasitic diarrhœa	Other contagious diseases	Total	Snake-bite	Wild animals	Criminal poisoning	Natural decay and accidents	Other causes	Total	Cattle	Buffaloes	Ponies	Sheep and goats	Asses
KADUR ... For the year 1930-31	Cattle ...	26	83	35	114	20	...	1	84	43	356	44	1,547	7	2,807	468	4,393	5,249 *4,820*	...	...	...	...
	Buffaloes ...	26	76	9	20	5	...	...	39	23	198	7	165	1	593	121	887	...	1,085 *1,321*	...	...	...
	Ponies ...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	1	4	...	...	4 *7*	...	...
	Sheep and goats...	...	...	...	...	...	...	...	...	...	...	...	17	..	19	1	37	...	...	...	37 *46*	2 *3*
	Asses ...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	2	...	...	...	...	
HASSAN ... For the year 1930-31	Cattle ...	24	177	44	378	48	...	...	155	57	878	15	393	...	2,786	1,622	4,816	5,694 *5,263*	...	...	...	...
	Buffaloes ...	3	71	10	41	10	...	1	184	14	334	5	42	...	460	301	798	...	1,132 *1,110*	...	...	...
	Ponies ...	...	...	...	...	...	...	...	...	2	2	...	1	...	5	2	8	...	...	10 *14*	...	...
	Sheep and goats...	...	..	7	...	...	...	...	33	333	373	...	11	...	46	108	164	...	...	...	537 *430*	...
	Asses ...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	1 *2*
CHITALDRUG ... For the year 1930-31	Cattle ...	168	43	218	355	2	...	1	15	112	914	45	285	2	2,795	712	3,839	4,753 *4,361*	...	...	...	...
	Buffaloes ...	175	129	125	128	15	...	2	30	97	701	32	72	...	1,155	474	1,733	...	2,484 *2,566*	...	...	...
	Ponies ...	...	1	...	...	...	...	...	...	...	1	...	4	...	8	3	15	....	...	16 *24*	...	...
	Sheep and goats....	...	...	17	1	...	...	...	4	453	475	...	20	1	193	3,799	4,013	...	...	...	4,488 *4,505*	...
	Asses ..	...	...	...	...	...	...	...	...	...	...	....	7	...	6	...	13	...	...	...	...	13 *31*
Total for the year ... 1931-32.	Cattle	740	678	2,320	4,475	349	...	12	989	1,102	10,635	303	6,927	23	28,014	8,898	43,664	54,329 *49,342*	...	...	...	...
	Buffaloes	956	353	460	441	110	...	5	662	350	2,747	151	1,277	...	5,667	2,328	9,430	...	12,177 *13,466*	...	...	...
	Ponies ...	...	1	2	...	...	...	...	...	8	11	2	21	...	31	25	79	...	...	90 *123*	...	...
	Sheep and goats...	5	55	341	50	56	...	...	128	1,558	2,193	11	661	1	1,384	4,858	6,915	...	...	...	9,108 *13,375*	...
	Asses ...	...	...	2	...	...	...	...	...	5	7	...	15	1	41	19	76	...	...	...	...	83 *174*
Grand Total for 1931-32.	.....	1,201	1,097	3,125	4,966	515	...	17	1,679	3,023	15,623	467	8,901	31	35,137	15,623	60,164	...	...	...	...	=75,787
Grand Total for 1930-31.	.....	4,239	947	4,562	5,332	1,811	...	23	1,548	4,563	22,545	520	9,063	120	32,476	11,741	53,925	...	...	...	...	=76,470

Statement showing the receipt of Cattle Mortality Returns in Mysore State for the half-year ending 30th June 1932.

District	Taluk	No. of charak villages	Percentage of returns received during						Average percentage during half-year ending with 30th June 1932.	Average percentage for half-year ending with 31st Dec. 1931.
			Jany. 1932	Feby. 1932	March 1932	April 1932	May 1932	June 1932		
Bangalore ...	Bangalore	381	46	48	47	50	44	24	43	52
	Anekal	161	91	86	89	89	96	91	89	89
	Hoskote	814	58	73	69	67	63	65	66	64
	Nelamangala	286	66	61	66	68	66	73	66	68
	Dodballapur	272	84	75	79	78	79	79	79	85
	Devanhalli	242	60	58	58	61	58	61	59	58
	Kankanhalli	231	89	91	89	89	89	83	88	87
	Magadi	303	61	58	63	59	57	57	59	61
	Channapatna	142	89	97	85	87	89	99	88	87
	Closepet	185	64	73	76	76	73	75	73	67
Kolar ...	Kolar	295	61	54	53	64	68	65	60	61
	Malur	297	66	62	66	69	65	65	65	70
	Mulbagal	308	62	63	62	68	62	63	63	75
	Bowringpet	359	58	57	58	63	58	59	58	61
	Chikballapur	212	76	70	70	72	71	67	71	82
	Bagepalli	209	82	71	77	73	78	71	75	75
	Gudibanda	96	95	95	94	92	94	92	94	94
	Chintamani	304	79	75	79	78	80	81	78	81
	Sidlaghatta	238	63	59	60	63	57	59	60	62
	Goribidnur	209	92	89	88	85	87	84	87	91
	Srinivaspur	287	80	86	79	88	84	83	84	87
Mysore ...	Mysore	181	67	72	63	68	79	88	72	78
	Heggaddevankote ...	167	64	64	55	47	62	66	59	69
	Seringapatam	180	66	52	59	51	57	45	55	56
	Mandya	171	77	76	55	72	62	48	65	65
	Maddur	153	63	56	57	30	55	57	53	60
	Malvalli	176	69	68	66	76	68	64	68	66
	T.-Narsipur	124	68	73	75	66	66	67	69	70
	Nagamangala	340	72	77	72	71	73	68	72	75
	Krishnarajpete	335	69	65	73	74	74	73	71	73
	Chamrajnagar	148	85	75	78	77	89	83	80	82
	Nanjangud	170	50	47	50	54	53	59	52	50
	Yelandur	34	100	97	100	97	94	97	97	99
	Gundlupet	126	76	79	84	75	81	72	77	80
	Yedatore ...	150	68	73	63	61	66	65	65	66
	Hunsur	170	84	87	81	71	75	73	78	83
	Periyapatna	151	52	56	51	55	60	67	57	51
Hassan ...	Hassan	357	57	62	55	49	38	37	49	55
	Saklespur	270	55	51	52	52	44	42	49	56
	Belur	355	48	50	51	45	52	51	49	42
	Arkalgud	256	33	42	40	47	47	46	42	51
	Channarayapatna ...	368	61	68	70	66	66	79	68	62
	Hole-Narsipur	200	54	54	42	49	55	65	58	49
	Arsikere	321	70	75	68	71	73	71	71	68
	Alur	163	79	79	76	68	75	69	74	74
Tumkur ...	Tumkur	310	62	52	68	62	63	62	62	64
	Madhugiri	271	78	79	77	80	74	75	77	69
	Sira	220	66	67	62	66	64	68	66	62
	Gubbi	361	87	87	88	82	79	83	79	79
	Kunigal	288	68	64	71	71	76	50	66	79
	Pavagada	135	87	86	88	88	68	84	84	86
	Tiptur	227	79	78	81	78	77	79	79	81
	Chiknayakanhalli ...	202	82	84	85	88	84	88	84	79
	Thuruvekere	142	76	82	80	80	73	73	77	79
	Kortagere	218	60	56	56	62	53	62	58	64
Chitaldrug ...	Chitaldrug	165	54	58	40	59	53	41	51	52
	Jagalur	134	77	81	87	77	97	78	83	77
	Hiriyur	131	69	78	74	78	79	74	75	47
	Davangere	176	64	71	68	66	67	44	63	64
	Haribar Sub-Taluk ...	76	89	93	92	97	89	90	92	96
	Hosdurga	187	64	58	60	55	57	53	58	64
	Challakere	151	75	79	69	59	62	74	70	56
	Holalkere	153	69	66	66	68	61	73	67	75
	Molakalmuru	76	84	73	84	72	75	75	77	81
Shimoga ...	Shimoga	228	63	41	65	35	64	81	58	64
	Kumsi	66	87	84	87	87	87	97	88	87
	Honnali	146	76	71	67	78	78	66	73	74
	Shikarpur	140	82	79	89	83	94	64	80	73
	Sorab	264	83	87	87	84	86	83	85	88
	Sagar	261	76	69	60	65	66	83	70	66
	Hosanagar	206	85	87	89	84	80	81	84	85
	Tirthahalli	246	89	78	88	79	81	65	79	80
	Channagiri	192	79	64	66	73	79	73	72	83
Kadur ...	Kadur	309	73	74	74	52	69	70	69	54
	Tarikere	189	78	74	75	73	81	65	74	80
	Chikmagalur	219	67	65	72	72	73	60	69	68
	Mudgere	138	91	96	86	86	90	67	86	87
	Koppa	105	88	84	95	95	93	73	86	86
	Sringeri	25	100	100	100	100	100	100	100	100
	Narasimharajapura. ...	64	96	96	93	92	93	93	94	94